

February 11, 2026

Zoox
Alex Poux
1149 Chess Drive
Foster City, CA 94404

Dear Alex Poux,

Enclosed is the Electromagnetic Compatibility for the Zoox, PROX Controller, tested to the requirements of:

- FCC 47 CFR §15.247(d)
- FCC CFR §15.205, §15.209, §15.35
- KDB 996369 D04 Module Integration Guide v02

Thank you for using the services of Eurofins E&E Testing NA, LLC. Please contact me if you have any questions regarding these results or if Eurofins E&E can be of further service to you.

Sincerely,

Rheine Nguyen

Documentation Department
Eurofins E&E Testing NA, LLC.

Reference: WIRS137766-FCC 15.247 (BLE)



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Report Status Sheet

Revision	Report Date	Reason for Revision
Ø	February 11, 2026	Initial Issue.

Table of Contents

1.0	Testing Summary	6
2.0	Overview	7
2.1	Test Site	7
2.2	FCC ID	7
2.3	Measurement Uncertainty	7
2.4	Equipment Overview and Test Configuration	8
2.5	Modifications to the EUT	10
2.6	Modifications to the Standard	10
2.7	Disposition of EUT	10
3.0	Electromagnetic Compatibility Criteria	11
3.1	Antenna-Port Conducted Output Power Measurements	11
3.1.1	Maximum Peak Conducted Output Power	12
3.2	Radiated Spurious Emissions	16

List of Tables

Table 1. Antenna-Port Conducted Output Power Measurements, Maximum Peak Conducted Output Power Test Results	12
Table 2. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (30 MHz – 1 GHz) Test Results	18
Table 3. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (30 MHz – 1 GHz) Test Results	19
Table 4. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (1 – 18 GHz) Test Results	20
Table 5. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (1 – 18 GHz) Test Results	21
Table 6. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz Lower Band Edge Test Results	22
Table 7. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz Lower Band Edge Test Results	23
Table 8. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (18 – 26 GHz) Test Results	24
Table 9. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (18 – 26 GHz) Test Results	25
Table 10. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (30 MHz – 1 GHz) Test Results	26
Table 11. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (30 MHz – 1 GHz) Test Results	27
Table 12. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (1 – 18 GHz) Test Results	28
Table 13. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (1 – 18 GHz) Test Results	29
Table 14. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (18 – 26 GHz) Test Results	30
Table 15. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (18 – 26 GHz) Test Results	31
Table 16. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (30 MHz – 1 GHz) Test Results	32
Table 17. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz (30 MHz – 1 GHz) Test Results	33
Table 18. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (1 – 18 GHz) Test Results	34
Table 19. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz (1 – 18 GHz) Test Results	35
Table 20. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz Upper Band Edge Test Results	36
Table 21. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz Upper Band Edge Test Results	37
Table 22. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (18 – 26 GHz) Test Results	39
Table 23. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (18 – 26 GHz) Test Results	40
Table 24. Antenna-Port Conducted Measurements, Test Equipment	41
Table 25. Radiated Spurious Emissions, Test Equipment	41

List of Figures

Figure 1. Maximum Peak Conducted Output Power: BLE, 1 Mbps, Ch. 0, 2402 MHz, Plot	13
Figure 2. Maximum Peak Conducted Output Power: BLE, 2 Mbps, Ch. 0, 2402 MHz, Plot	13
Figure 3. Maximum Peak Conducted Output Power: BLE, 1 Mbps, Ch. 19, 2440 MHz, Plot	14
Figure 4. Maximum Peak Conducted Output Power: BLE, 2 Mbps, Ch. 19, 2440 MHz, Plot	14
Figure 5. Maximum Peak Conducted Output Power: BLE, 1 Mbps, Ch. 39, 2480 MHz, Plot	15
Figure 6. Maximum Peak Conducted Output Power: BLE, 2 Mbps, Ch. 39, 2480 MHz, Plot	15
Figure 7. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (30 MHz – 1 GHz) Plot	18
Figure 8. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (30 MHz – 1 GHz) Plot	19
Figure 9. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (1 – 18 GHz) Plot	20
Figure 10. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (1 – 18 GHz) Plot	21
Figure 11. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz Lower Band Edge Plot	22
Figure 12. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz Lower Band Edge Plot	23
Figure 13. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (18 – 26 GHz) Plot	24
Figure 14. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (18 – 26 GHz) Plot	25
Figure 15. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (30 MHz – 1 GHz) Plot	26
Figure 16. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (30 MHz – 1 GHz) Plot	27
Figure 17. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (1 – 18 GHz) Plot	28
Figure 18. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (1 – 18 GHz) Plot	29
Figure 19. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (18 – 26 GHz) Plot	30
Figure 20. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (18 – 26 GHz) Plot	31
Figure 21. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (30 MHz – 1 GHz) Plot	32
Figure 22. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz (30 MHz – 1 GHz) Plot	33
Figure 23. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (1 – 18 GHz) Plot	34
Figure 24. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz (1 – 18 GHz) Plot	35
Figure 25. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz Upper Band Edge Plot	36
Figure 26. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz Upper Band Edge Plot	38
Figure 27. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (18 – 26 GHz) Plot	39
Figure 28. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (18 – 26 GHz) Plot	40

1.0 Testing Summary

The Zoox, PROX Controller was found to be compliant to the following specification(s).

- FCC 47 CFR §15.247(d)
- FCC CFR §15.205, §15.209, §15.35
- KDB 996369 D04 Module Integration Guide v02



Chin Ming Lui
Senior Wireless Test Engineer

Engineering Statement: The measurements shown in this report were made in accordance with the procedures indicated. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements.

Summary of Tests

Test Item	FCC Part	Result
Maximum Conducted Output Power	§15.247(b)(3)	Complies
Transmitter Radiated Emissions	§15.247(d), §15.209, §15.205	Complies
Antenna Requirement	§15.203	Complies

2.0 Overview

Eurofins E&E Testing NA, LLC. was contracted by Zoox to perform testing on the PROX Controller, under purchase order number 4300046331.

This document describes the test setups, test methods, required test equipment, and the test limit criteria used to perform compliance testing of Zoox, PROX Controller.

The results obtained relate only to the item(s) tested.

Model(s) Tested:	PROX Controller
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2.1 Test Site

All testing was performed at Eurofins E&E Testing NA, LLC., 3162 Belick St. Santa Clara, CA 95054. All equipment used in making physical determinations is accurate and bears recent traceability to the National Institute of Standards and Technology. Eurofins E&E Testing NA, LLC. has been accredited by the American Association for Laboratory Accreditation (A2LA) (Certificate #: 0591.02) in accordance with ISO/IEC 17025:2017.

2.2 FCC ID

Contains FCC ID: 2BNNA-2BP0300-07-AB

Contains FCC ID: XPYNINAB4

2.3 Measurement Uncertainty

Measurement uncertainty calculated as per NIST Technical Note (TN) 1297 and ANSI / NCSL Z540-2, as equivalent to EN 55016-4-2 / IEC CISPR 16-4-2.

Test Method	Typical Expanded Uncertainty (dB)	K	Confidence Level
Radiated Emissions, (30 MHz – 1 GHz)	±4.61	2	95%
Radiated Emissions, (1 GHz – 18 GHz)	±4.63	2	95%
Radiated Emissions, (18 GHz – 40 GHz)	±4.22	2	95%
Conducted Emission Voltage	±3.03	2	95%
Conducted Emission Telecom	±3.87	2	95%

2.4 Equipment Overview and Test Configuration

Name of EUT/Model:	PROX Controller
Additional Models Covered, but not tested:	N/A
Description of EUT and Intended Use:	The PROX system, short for Proximity Detection ECU (Electronic Control Unit), is a proprietary technology developed by Zoox to facilitate a seamless and automated entry and exit experience for riders. PROX is used for authentication and distance estimation of a rider when they are near a Zoox vehicle at a pick up or drop off location. PROX communicates with the rider's mobile app using Bluetooth and Ultra-wideband radios.
Mode(s) of Operation:	BLE 2402 - 2480MHz: 1Mbps, 2Mbps
Rationale for the selection of the Operation Mode(s):	Worst case data rate (highest power reported)
Monitoring Method(s):	N/A
Configuration(s):	N/A
EUT Power Requirement	
Voltage:	9-16 VDC
AC or DC	DC
Voltage Frequency:	DC
Number of Phases:	1
Amperage:	~500 mA
Uses an external AC/DC Adapter:	No
Battery Return Configuration (DC-C, DC-I, or either):	N/A
Physical Description	
EUT Arrangement:	Battery Operated
System with Multiple Chassis:	No
Size (HxWxD):	0.47 x 3.46 x 3.5 inches
Weight:	150 g
Emissions Class Declaration:	A
Other Info:	
Highest frequency used in device:	7987.2 MHz
EUT Software (internal to EUT):	Yes
Support Software (used by support PC to exercise EUT):	Test_GUI_terminal

Note: EUT information was provided by Zoox, Inc.

Equipment Configuration List

Name/Description	Part Number	Serial Number
PROX Controller	P000000300-08-AB	25244-00012

Note: Equipment Configuration information was provided by Zoox, Inc.

Support Equipment List

Name/Description	Manufacturer	Model	Serial Number
Test Laptop	Lenovo	ThinkPad	183UB3

Note: Support Equipment information was provided by Zoox, Inc.

Ports and Cabling List

N/A

Antenna Information

Radio	Antenna Type	Manufacturer	Part No	Frequency Range	Peak Gain
BLE	Chip Antenna	Abracon	NINA-B416	2402 – 2480 MHz	3.0 dBi
UWB	Chip Antenna	TDK	ZDEA167250 T-02222A1	CH5: 6489.6 MHz CH9: 7987.2 MHz	3.7 dBi

Note: Antenna information was provided by Zoox, Inc. Eurofins E&E Testing NA, LLC did not test or verify the accuracy of the antenna information.

2.5 Modifications to the EUT

No modifications were made to the EUT.

2.6 Modifications to the Standard

No modifications were made to the Test Standard.

2.7 Disposition of EUT

The test sample including all support equipment (if any), submitted to the Electromagnetic Compatibility Lab for testing was returned to Zoox upon completion of testing.

3.0 Electromagnetic Compatibility Criteria

3.1 Antenna-Port Conducted Output Power Measurements

Test Method: ANSI C63.10: 2020; FCC KDB 558074 D01 15.247 Meas Guidance v05r02

Test Requirements: The following standards are covered under this test:

- FCC Part 15 Subpart C §15.247

Test Procedure: The EUT was configured to operate in continuous transmission mode on BLE channels using its lowest, middle, and highest frequencies (2402 MHz, 2440 MHz, and 2480 MHz) for 1 Mbps and 2 Mbps data rates.

- Conducted output power measurements were performed at the antenna port of the EUT using a spectrum analyzer. Procedures for testing DTS devices operating in the 2400 MHz to 2483.5 MHz band per Section 11 of ANSI C63.10: 2020 were followed.
- The reference level was set based on the peak power of the fundamental channel.
- Measurement traces were recorded for each tested channel.

Test Results:

Test Standard:	FCC Part 15 Subpart C §15.247 (Per FCC KDB 558074 D01 15.247 Meas Guidance v05r02; ANSI C63.10-2020)
Test Name	Antenna-Port Conducted Output Power Measurements
Test Dates:	01/15/2026
Laboratory	Eurofins E&E Testing NA, LLC.
Test Engineer:	Chin Ming Lui
Test Results:	Compliant

Test Configuration:

TX Channel	Frequency (MHz)	Data Rate	Packet Payload	Packet Length	Power Setting
0	2402	1 Mbps	PBR59	255	5: 8 dBm
		2 Mbps			
19	2440	1 Mbps			
		2 Mbps			
39	2480	1 Mbps			
		2 Mbps			

3.1.1 Maximum Peak Conducted Output Power

TX Channel	Frequency (MHz)	Data Rate	Max Peak Conducted Output Power (dBm)	Max Conducted Output Power Limit (dBm)
0	2402	1 Mbps	5.78	30
		2 Mbps	5.79	30
19	2440	1 Mbps	6.47	30
		2 Mbps	6.48	30
39	2480	1 Mbps	6.40	30
		2 Mbps	6.40	30

Table 1. Antenna-Port Conducted Output Power Measurements, Maximum Peak Conducted Output Power Test Results

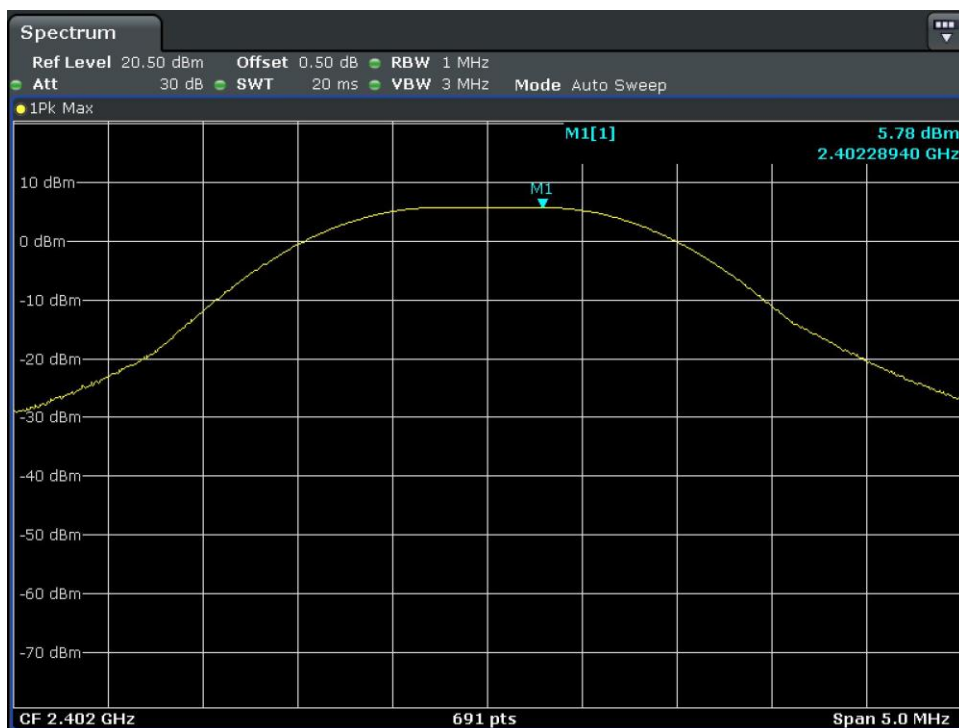


Figure 1. Maximum Peak Conducted Output Power: BLE, 1 Mbps, Ch. 0, 2402 MHz, Plot

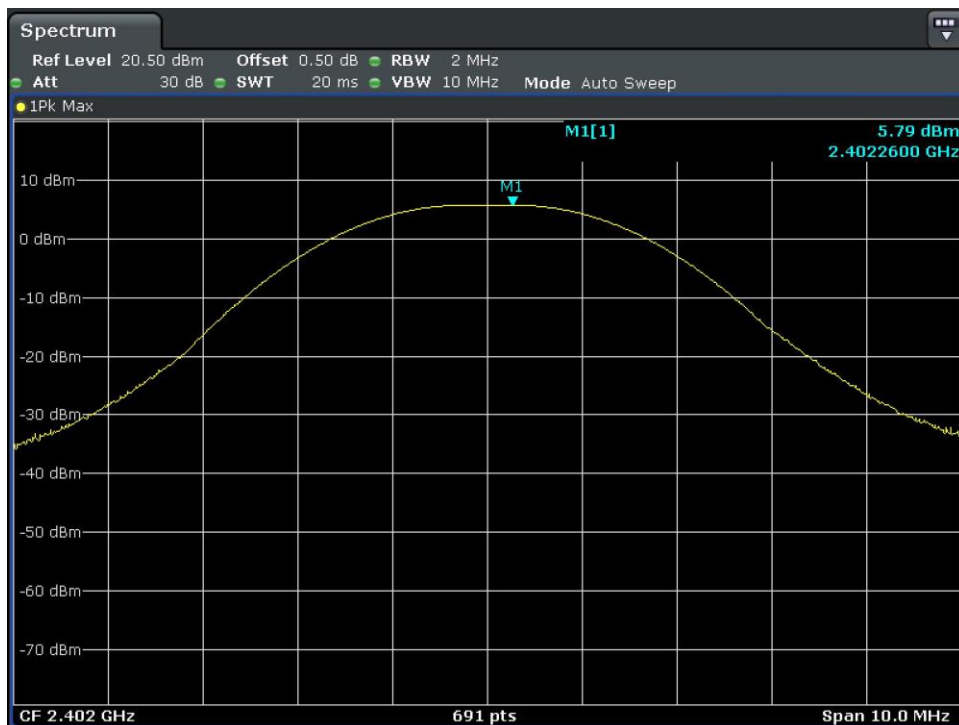


Figure 2. Maximum Peak Conducted Output Power: BLE, 2 Mbps, Ch. 0, 2402 MHz, Plot

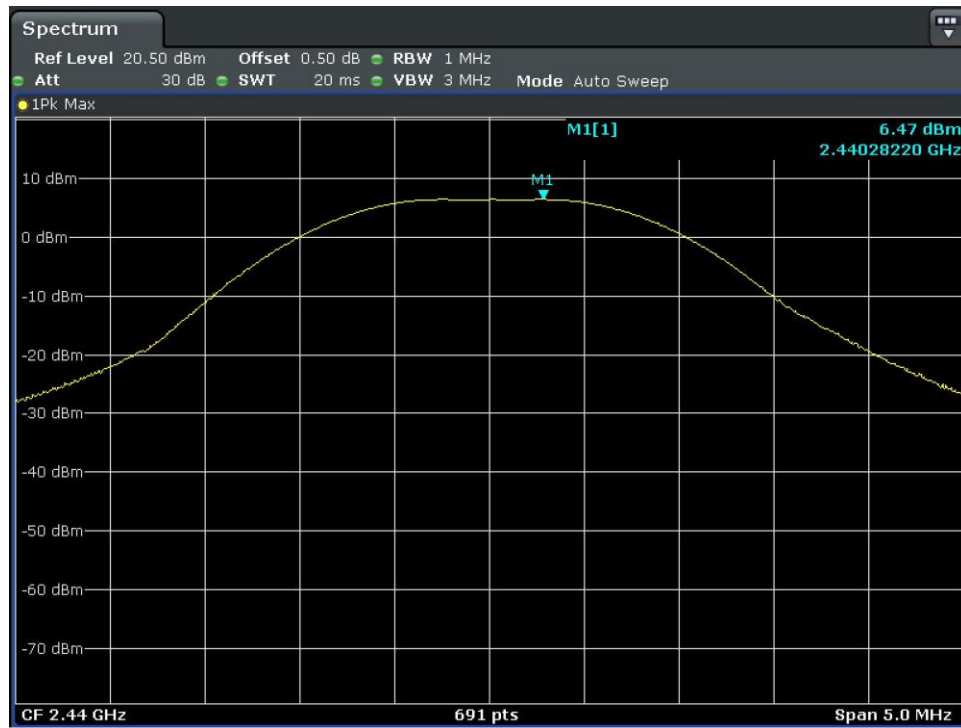


Figure 3. Maximum Peak Conducted Output Power: BLE, 1 Mbps, Ch. 19, 2440 MHz, Plot

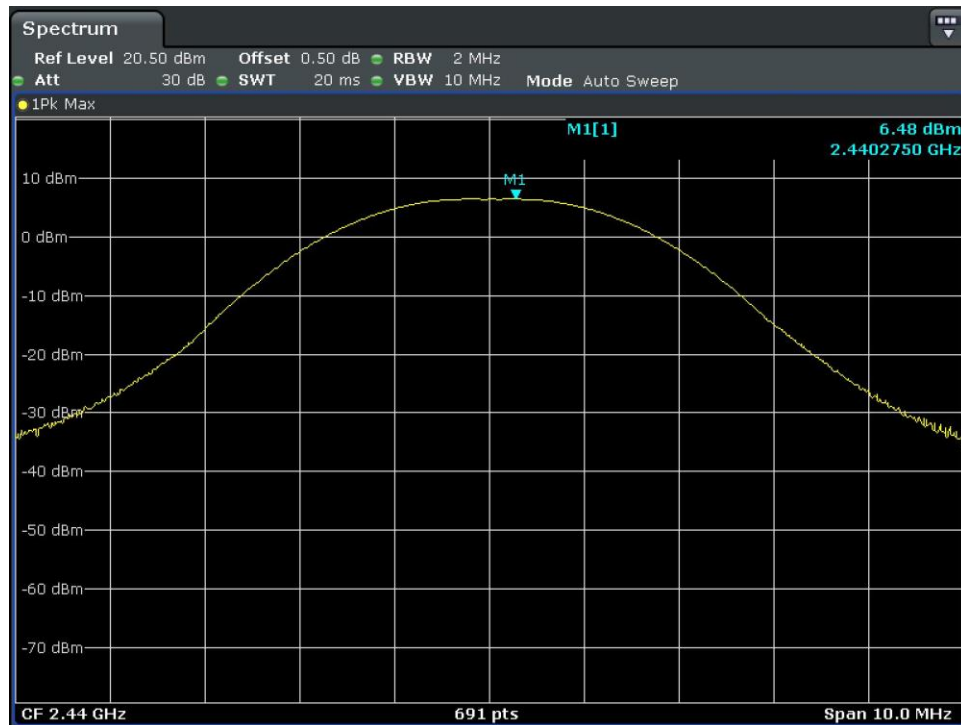


Figure 4. Maximum Peak Conducted Output Power: BLE, 2 Mbps, Ch. 19, 2440 MHz, Plot

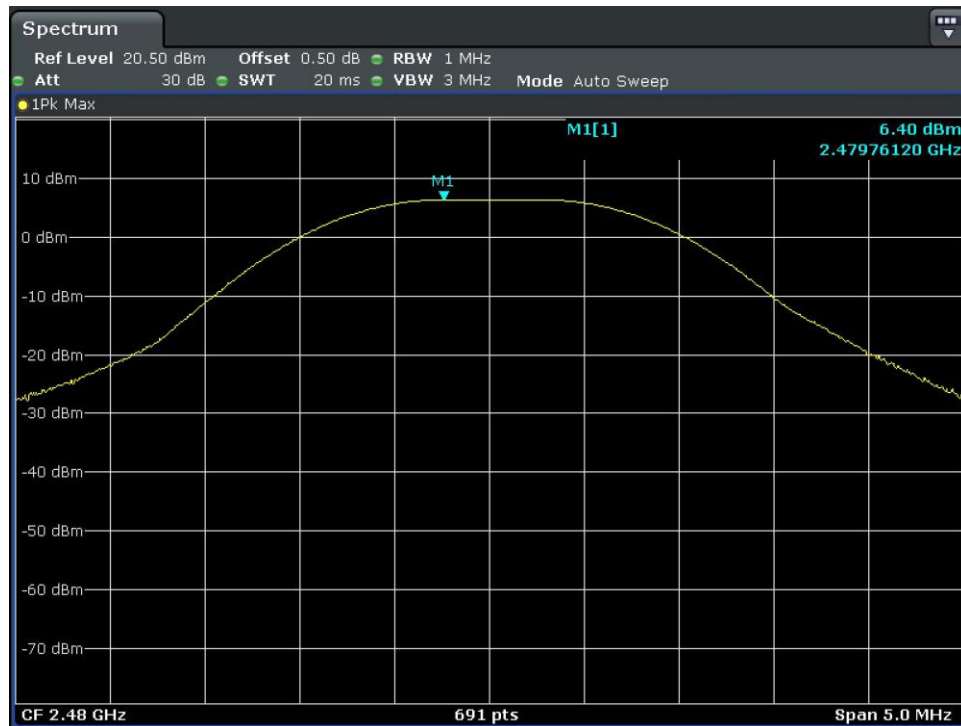


Figure 5. Maximum Peak Conducted Output Power: BLE, 1 Mbps, Ch. 39, 2480 MHz, Plot

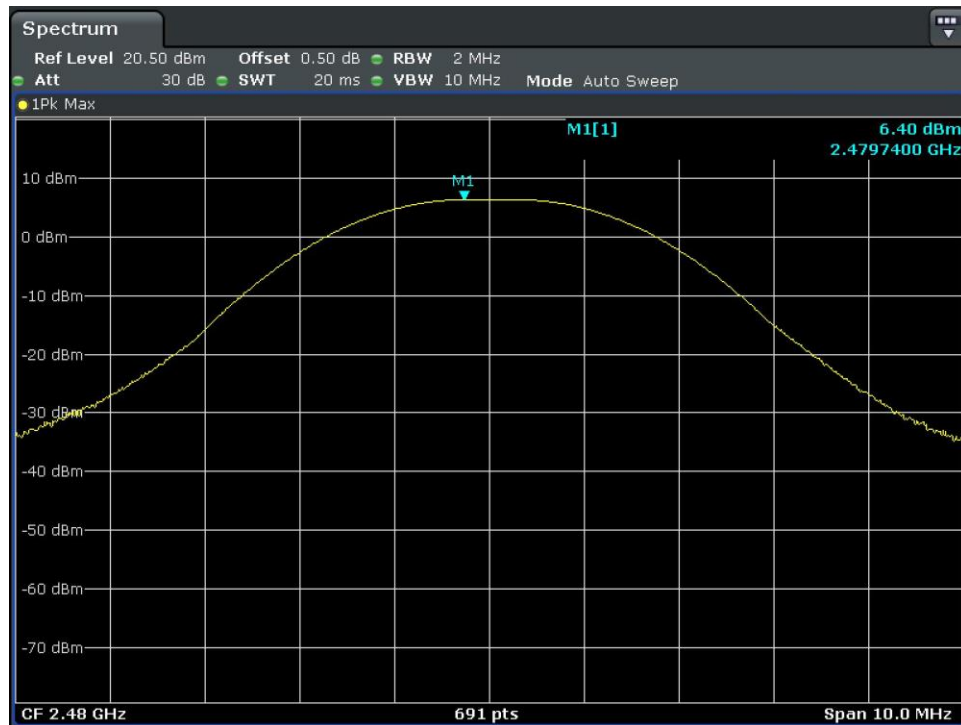


Figure 6. Maximum Peak Conducted Output Power: BLE, 2 Mbps, Ch. 39, 2480 MHz, Plot

3.2 Radiated Spurious Emissions

Test Standard: FCC 47 CFR §15.247(d): Spurious emissions limits for digital modulation systems
FCC 47 CFR §15.205: Restricted bands of operation.
FCC 47 CFR §15.209: Radiated emissions limits; general requirements
ANSI C63.10-2020: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

Test Method: Radiated spurious and harmonic emissions from the 2.4 GHz BLE radio operating under §15.247 were measured in a semi-anechoic chamber in accordance with ANSI C63.10-2020. The BLE transmitter was exercised on the low, middle, and high channels shown in the Test Configuration table (channels 0, 19, and 39) using the worst-case data rate, packet payload, and power setting. Emissions were scanned from 30 MHz up to at least the 10th harmonic of the highest fundamental frequency (or 40 GHz, whichever was lower) and compared to the applicable §15.247(d) and §15.209 limits.

Test Procedure: For each BLE channel, the EUT was configured for continuous transmission using the worst-case 1 Mbps / 2 Mbps data rates, maximum packet length, and maximum output power as defined in the Test Configuration table. The EUT was placed on a non-conductive support 0.8m and 1.5m above the ground plane for 30 MHz to 1 GHz and above 1 GHz, respectively, on a motorized turntable in a semi-anechoic chamber with all required support equipment and loads connected. Radiated emissions were measured at a 3m distance from 30 MHz to 1 GHz and at 3m (or 1m, as applicable) above 1 GHz using appropriate loop, biconical/log-periodic, and horn antennas.

For each significant emission, the turntable was rotated through 0-360° and the receive antenna height was varied from 1m to 4m in both horizontal and vertical polarizations to maximize the received level. Below 1 GHz, emissions were measured using a CISPR quasi-peak detector and CISPR bandwidths. Above 1 GHz, emissions were measured using peak and average detectors with a 1 MHz RBW (and suitable VBW) in accordance with ANSI C63.10 and §15.35. All analyzer readings were corrected for antenna factors, cable losses, pre-amplifier gain, and distance to obtain the final field-strength or EIRP values reported.

Test Software Used: Nexio BAT-EMC was used to perform this test.

Test Results:

Test Standard:	FCC 47 CFR §15.247(d)
Test Name	Radiated Spurious Emissions
Test Dates:	10/14/2025 – 10/15/2025
Laboratory	Eurofins E&E Testing NA, LLC.
Test Engineer:	Chin Ming Lui
Test Results:	Compliant

Test Configuration:

The BLE radio was configured to low, middle, and high channels as follows:

TX Channel	Frequency (MHz)	Data Rate	Packet Payload	Packet Length	Power Setting
0	2402	1 Mbps	PBR9	255	5: 8 dBm
		2 Mbps			
19	2440	1 Mbps			
		2 Mbps			
39	2480	1 Mbps			
		2 Mbps			

Test Data

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
30.456	QuasiPeak (PASS)	16.715	40	-23.285	2.016	28	Vertical	120000	0.1	-5.165
31.95	QuasiPeak (PASS)	24.45	40	-15.55	1.344	329	Horizontal	120000	0.1	-3.905
35.484	QuasiPeak (PASS)	18.655	40	-21.345	3.392	-18	Vertical	120000	0.1	-9.629
35.918	QuasiPeak (PASS)	35.789	40	-4.211	2.368	116	Horizontal	120000	0.1	-6.976

Table 2. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (30 MHz – 1 GHz) Test Results

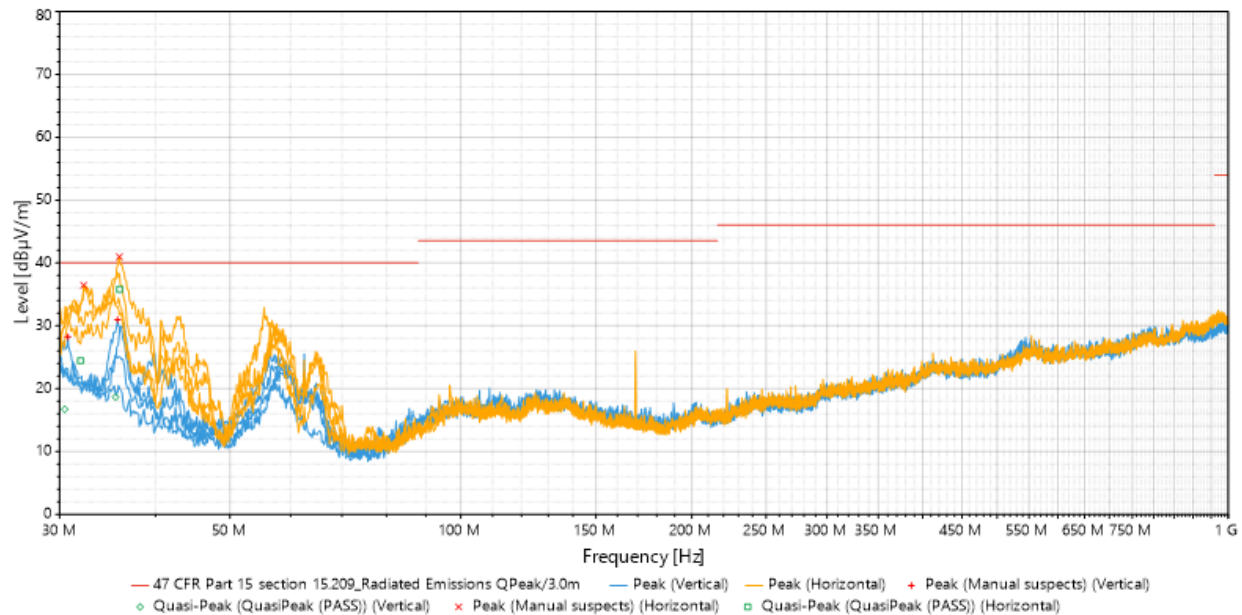


Figure 7. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (30 MHz – 1 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
30.578	QuasiPeak (PASS)	17.314	40	-22.686	1.92	208	Vertical	120000	0.1	-5.273
31.736	QuasiPeak (PASS)	24.763	40	-15.237	1.12	-7	Horizontal	120000	0.1	-3.746
35.538	QuasiPeak (PASS)	39.453	40	-0.547	1.216	8	Horizontal	120000	0.1	-6.65
35.874	QuasiPeak (PASS)	23.631	40	-16.369	2.592	74	Vertical	120000	0.1	-9.914

Table 3. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (30 MHz – 1 GHz) Test Results

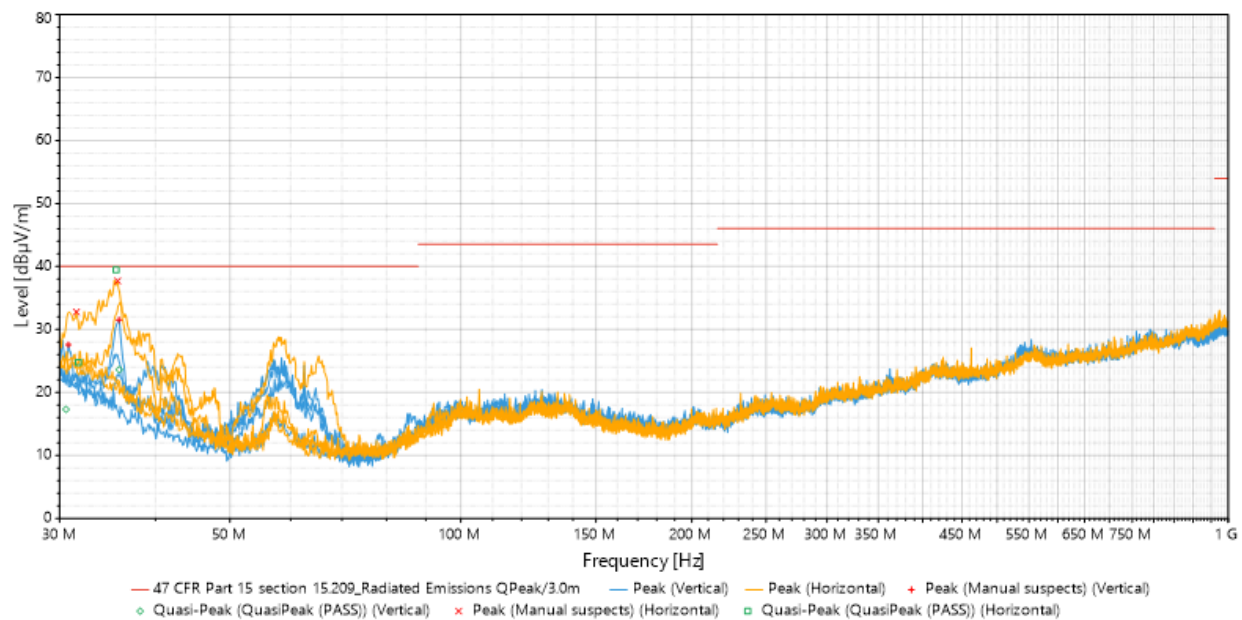


Figure 8. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (30 MHz – 1 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
9606.9	Peak (PASS)	52.08	74	-21.92	2.688	246	Vertical	1000000	0.1	3.542
9606.9	Average (PASS)	38.857	54	-15.143	2.688	246	Vertical	1000000	0.1	3.542
15346.7	Peak (PASS)	54.049	74	-19.951	3.072	229	Horizontal	1000000	0.1	6.473
15346.7	Average (PASS)	40.168	54	-13.832	3.072	229	Horizontal	1000000	0.1	6.473

Table 4. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (1 – 18 GHz) Test Results

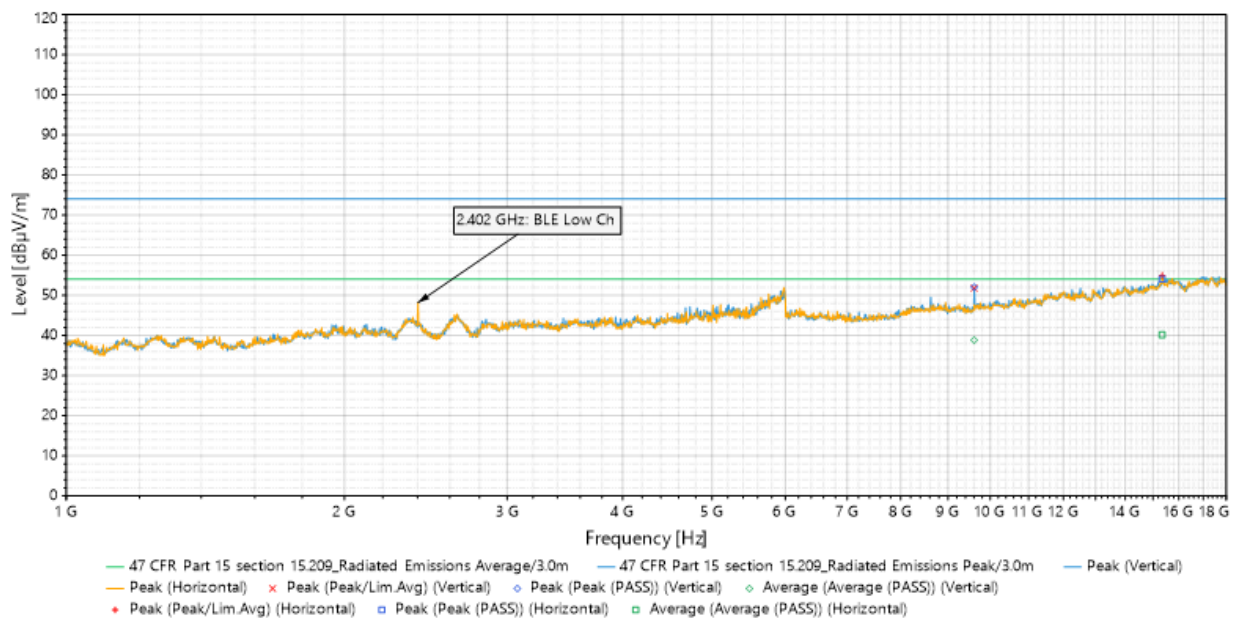


Figure 9. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (1 – 18 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
9605.7	Peak (PASS)	50.041	74	-23.959	2.688	138	Horizontal	1000000	0.1	3.429
9605.7	Average (PASS)	35.447	54	-18.553	2.688	138	Horizontal	1000000	0.1	3.429
9605.9	Peak (PASS)	54.347	74	-19.653	2.304	258	Vertical	1000000	0.1	3.54
9605.9	Average (PASS)	40.166	54	-13.834	2.304	258	Vertical	1000000	0.1	3.54

Table 5. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (1 – 18 GHz) Test Results

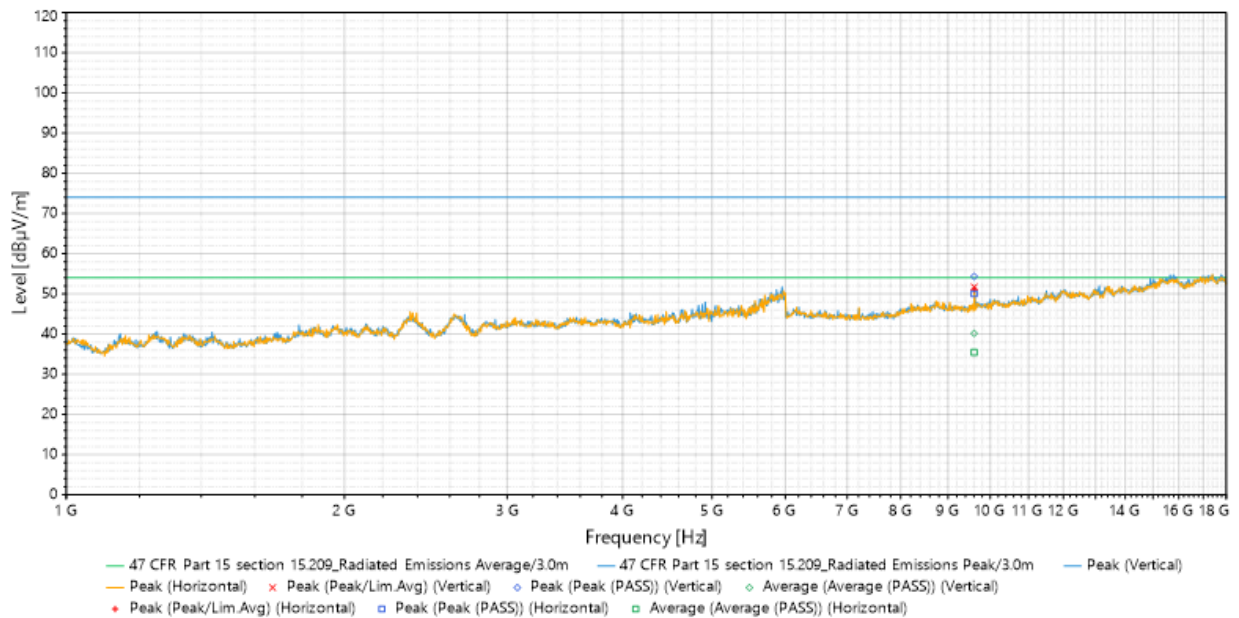


Figure 10. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (1 – 18 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
2380.6095	Peak (PASS)	59.504	74	-14.496	1.696	255	Vertical	1000000	0.1	36.03
2380.6095	Average (PASS)	42.312	54	-11.688	1.696	255	Vertical	1000000	0.1	36.03
2382.312	Peak (PASS)	59.196	74	-14.804	1.92	245	Vertical	1000000	0.1	36.029
2382.312	Average (PASS)	42.303	54	-11.697	1.92	245	Vertical	1000000	0.1	36.029
2385.5993	Peak (PASS)	60.395	74	-13.605	3.776	228	Horizontal	1000000	0.1	36.198
2385.5993	Average (PASS)	42.452	54	-11.548	3.776	228	Horizontal	1000000	0.1	36.198
2388.788	Peak (PASS)	59.899	74	-14.101	3.328	70	Horizontal	1000000	0.1	36.203
2388.788	Average (PASS)	42.442	54	-11.558	3.328	70	Horizontal	1000000	0.1	36.203

Table 6. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz Lower Band Edge Test Results

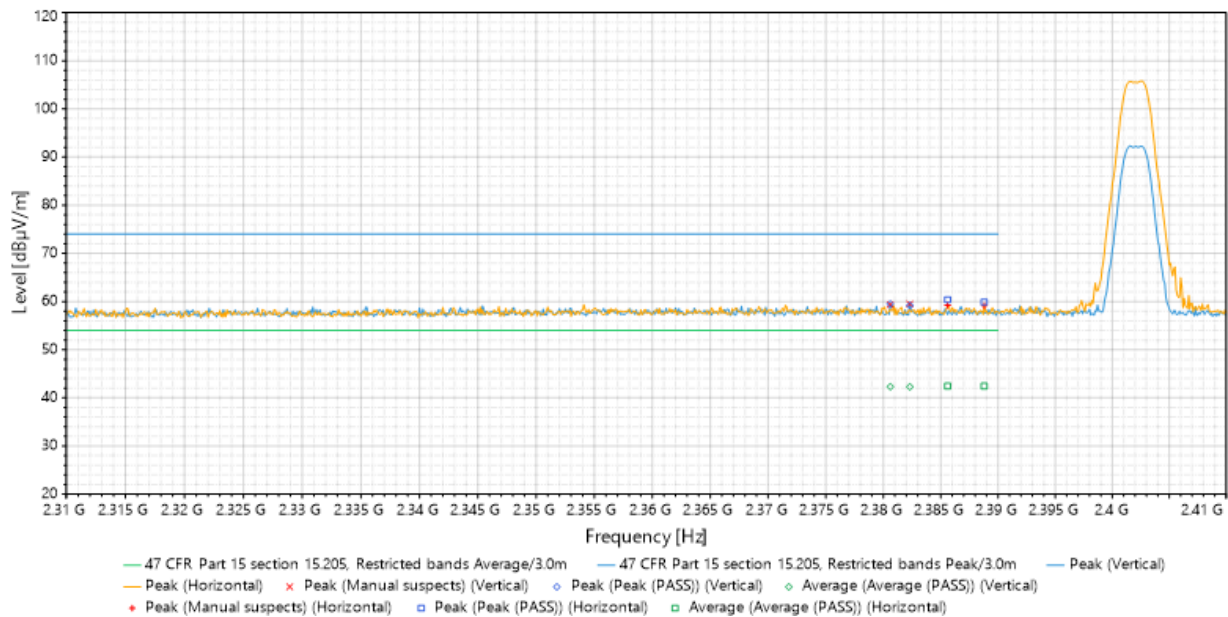


Figure 11. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz Lower Band Edge Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
2380.6095	Peak (PASS)	59.504	74	-14.496	1.696	255	Vertical	1000000	0.1	36.03
2380.6095	Average (PASS)	42.312	54	-11.688	1.696	255	Vertical	1000000	0.1	36.03
2382.312	Peak (PASS)	59.196	74	-14.804	1.92	245	Vertical	1000000	0.1	36.029
2382.312	Average (PASS)	42.303	54	-11.697	1.92	245	Vertical	1000000	0.1	36.029
2385.5993	Peak (PASS)	60.395	74	-13.605	3.776	228	Horizontal	1000000	0.1	36.198
2385.5993	Average (PASS)	42.452	54	-11.548	3.776	228	Horizontal	1000000	0.1	36.198
2388.788	Peak (PASS)	59.899	74	-14.101	3.328	70	Horizontal	1000000	0.1	36.203
2388.788	Average (PASS)	42.442	54	-11.558	3.328	70	Horizontal	1000000	0.1	36.203

Table 7. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz Lower Band Edge Test Results

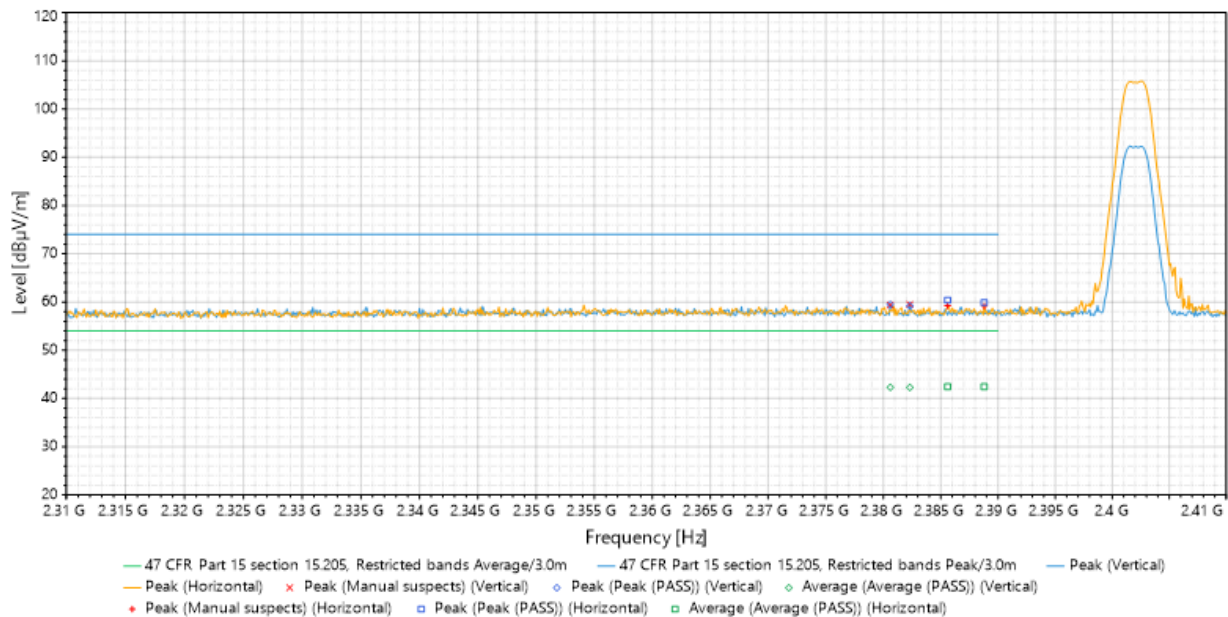


Figure 12. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz Lower Band Edge Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
18014.4	Peak (PASS)	50.738	74	-23.262	3.168	1	Horizontal	1000000	0.1	-0.253
18014.4	Average (PASS)	36.991	54	-17.009	3.168	1	Horizontal	1000000	0.1	-0.253
18070.2	Peak (PASS)	50.087	74	-23.913	3.392	23	Vertical	1000000	0.1	-0.498
18070.2	Average (PASS)	36.417	54	-17.583	3.392	23	Vertical	1000000	0.1	-0.498

Table 8. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (18 – 26 GHz) Test Results

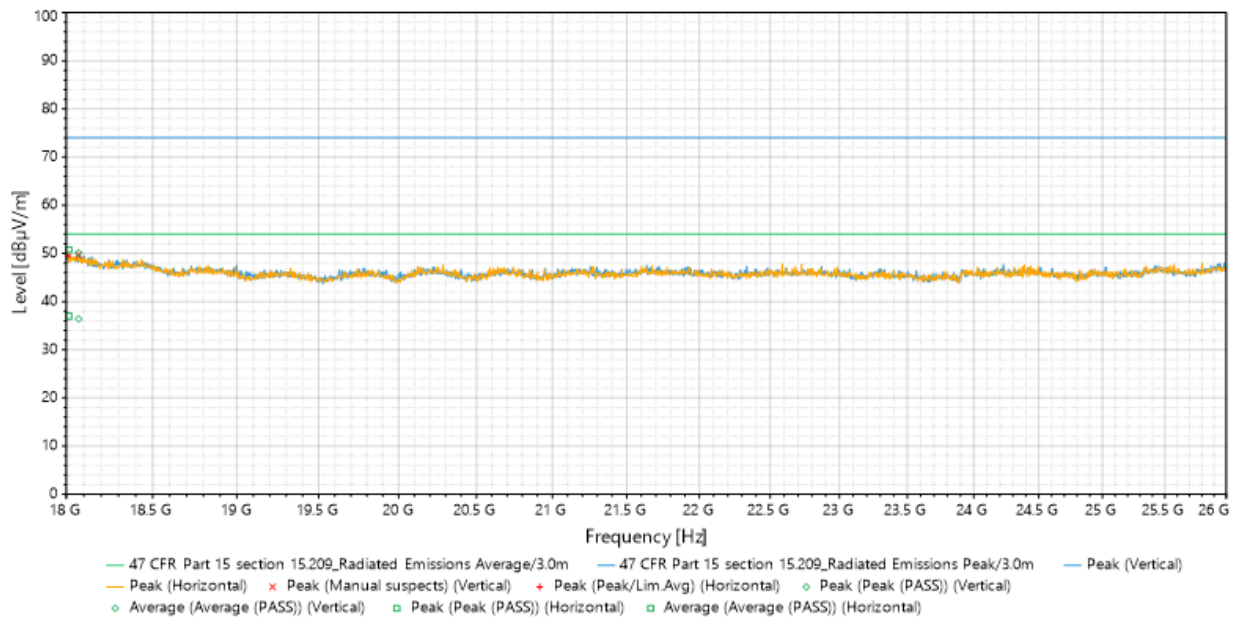


Figure 13. Radiated Spurious Emissions, BLE 1 Mbps Low Channel 2402 MHz (18 – 26 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
18044	Peak (PASS)	50.157	74	-23.843	3.328	202	Vertical	1000000	0.1	-0.433
18044	Average (PASS)	36.613	54	-17.387	3.328	202	Vertical	1000000	0.1	-0.433
18055.1	Peak (PASS)	50.291	74	-23.709	1.44	225	Horizontal	1000000	0.1	-0.344
18055.1	Average (PASS)	36.665	54	-17.335	1.44	225	Horizontal	1000000	0.1	-0.344

Table 9. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (18 – 26 GHz) Test Results

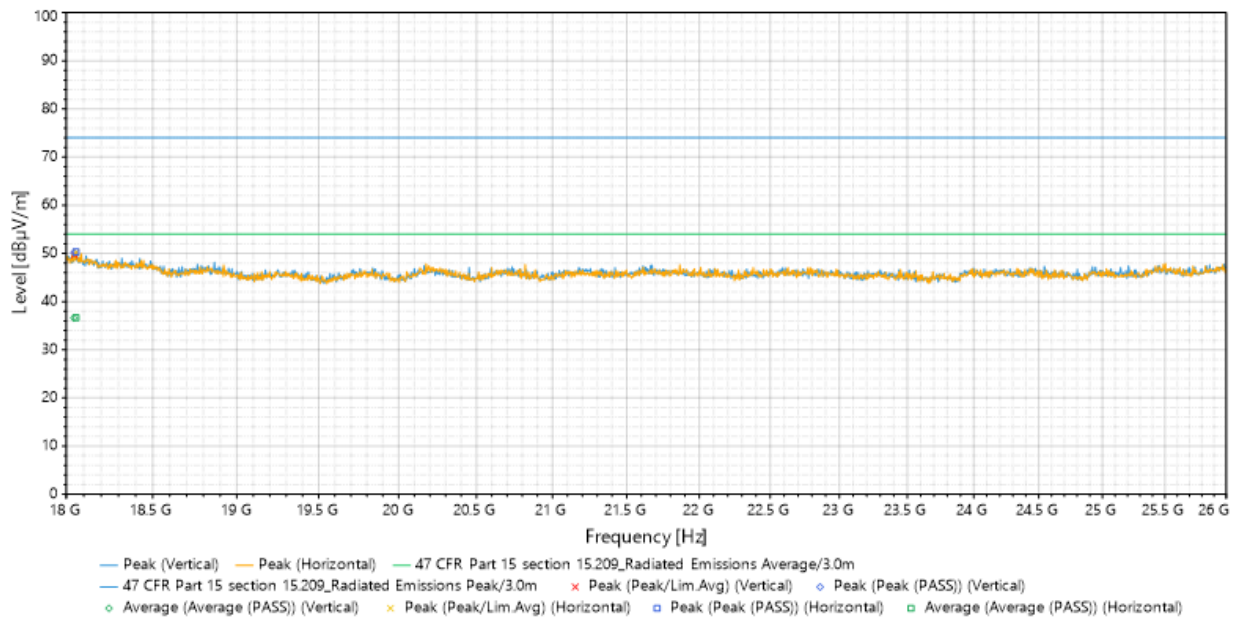


Figure 14. Radiated Spurious Emissions, BLE 2 Mbps Low Channel 2402 MHz (18 – 26 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
35.634	QuasiPeak (PASS)	18.56	40	-21.44	1.216	36	Horizontal	120000	0.1	-6.731
40.564	QuasiPeak (PASS)	8.403	40	-31.597	3.392	37	Vertical	120000	0.1	-13.118

Table 10. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (30 MHz – 1 GHz) Test Results

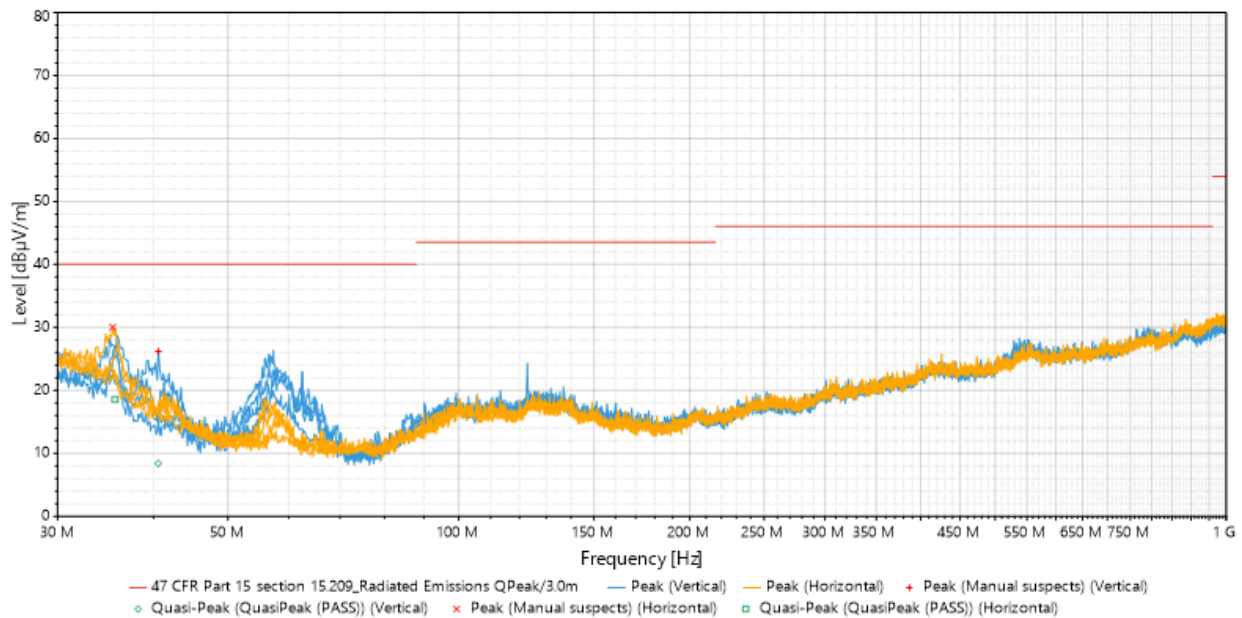


Figure 15. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (30 MHz – 1 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
31.22	QuasiPeak (PASS)	15.952	40	-24.048	2.72	110	Vertical	120000	0.1	-5.873
32.612	QuasiPeak (PASS)	18.079	40	-21.921	2.912	-30	Horizontal	120000	0.1	-4.357
34.812	QuasiPeak (PASS)	17.19	40	-22.81	2.336	69	Horizontal	120000	0.1	-6.049
56.89	QuasiPeak (PASS)	17.096	40	-22.904	2.464	293	Vertical	120000	0.1	-15.048

Table 11. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (30 MHz – 1 GHz) Test Results

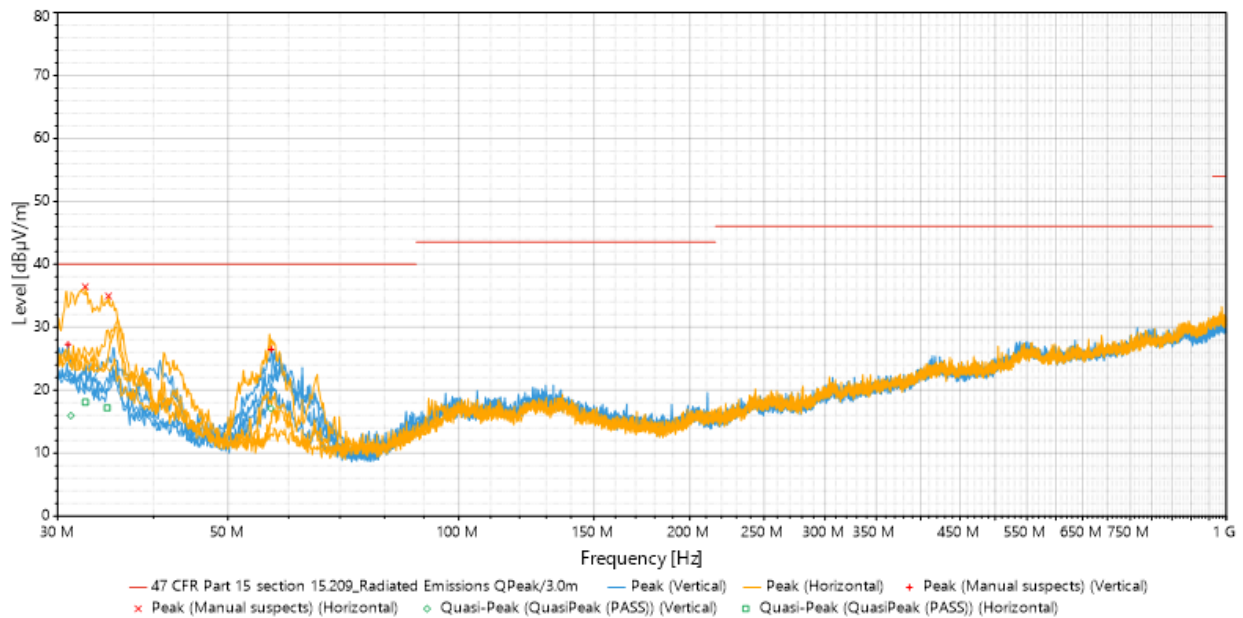


Figure 16. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (30 MHz – 1 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
9764.3	Peak (PASS)	48.829	74	-25.171	2.08	113	Vertical	1000000	0.1	3.715
9764.3	Average (PASS)	35.298	54	-18.702	2.08	113	Vertical	1000000	0.1	3.715
17130.6	Peak (PASS)	54.377	74	-19.623	2.944	286	Horizontal	1000000	0.1	5.353
17130.6	Average (PASS)	40.726	54	-13.274	2.944	286	Horizontal	1000000	0.1	5.353

Table 12. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (1 – 18 GHz) Test Results

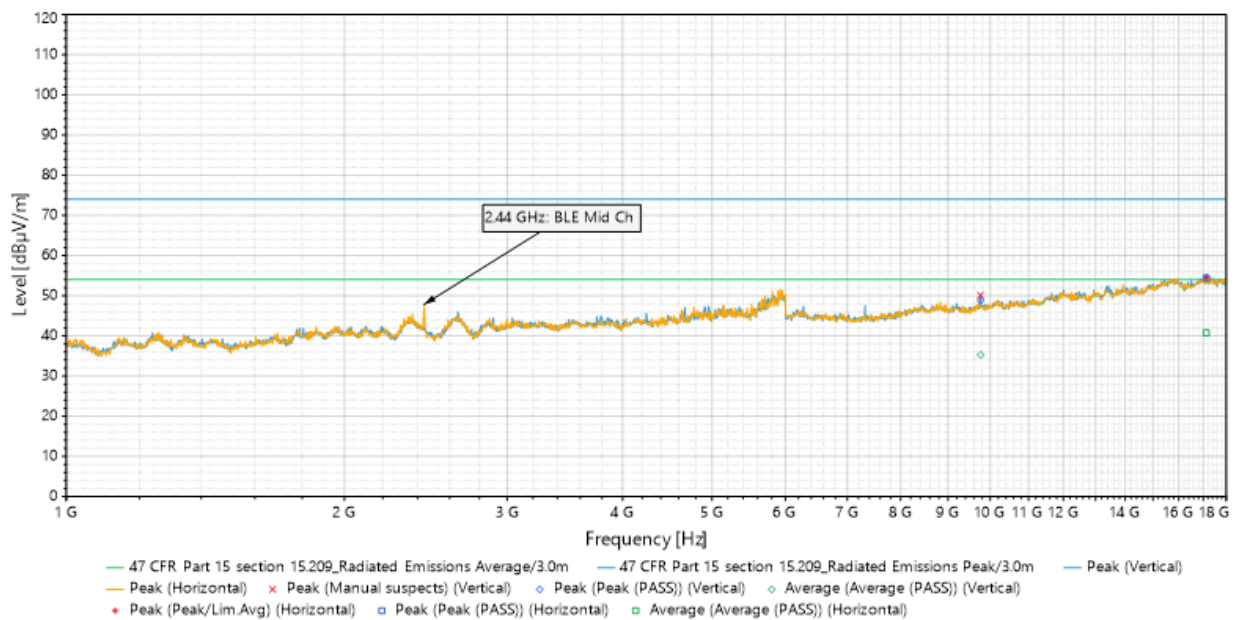


Figure 17. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (1 – 18 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
7318.1	Peak (PASS)	47.454	74	-26.546	1.088	52	Horizontal	1000000	0.1	3.131
7318.1	Average (PASS)	33.212	54	-20.788	1.088	52	Horizontal	1000000	0.1	3.131
9758.2	Peak (PASS)	52.997	74	-21.003	1.984	146	Vertical	1000000	0.1	3.706
9758.2	Average (PASS)	39.472	54	-14.528	1.984	146	Vertical	1000000	0.1	3.706

Table 13. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (1 – 18 GHz) Test Results

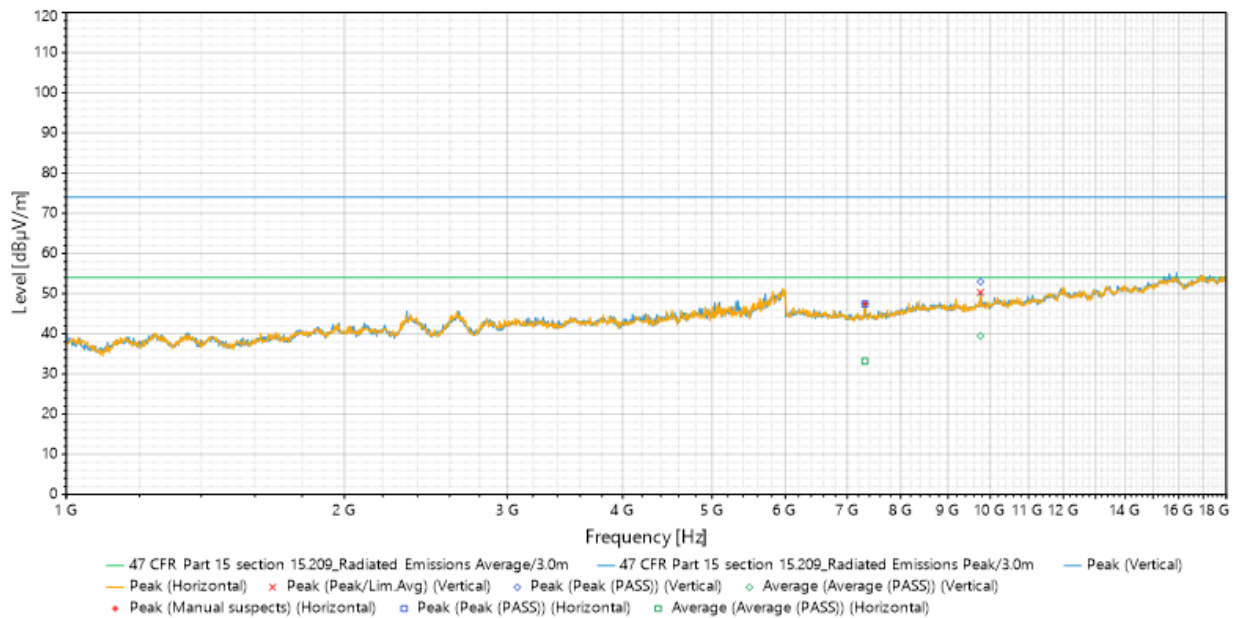


Figure 18. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (1 – 18 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
18046.4	Peak (PASS)	50.385	74	-23.615	3.648	27	Vertical	1000000	0.1	-0.439
18046.4	Average (PASS)	36.614	54	-17.386	3.648	27	Vertical	1000000	0.1	-0.439
18073.3	Peak (PASS)	50.379	74	-23.621	2.016	286	Horizontal	1000000	0.1	-0.384
18073.3	Average (PASS)	36.495	54	-17.505	2.016	286	Horizontal	1000000	0.1	-0.384

Table 14. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (18 – 26 GHz) Test Results

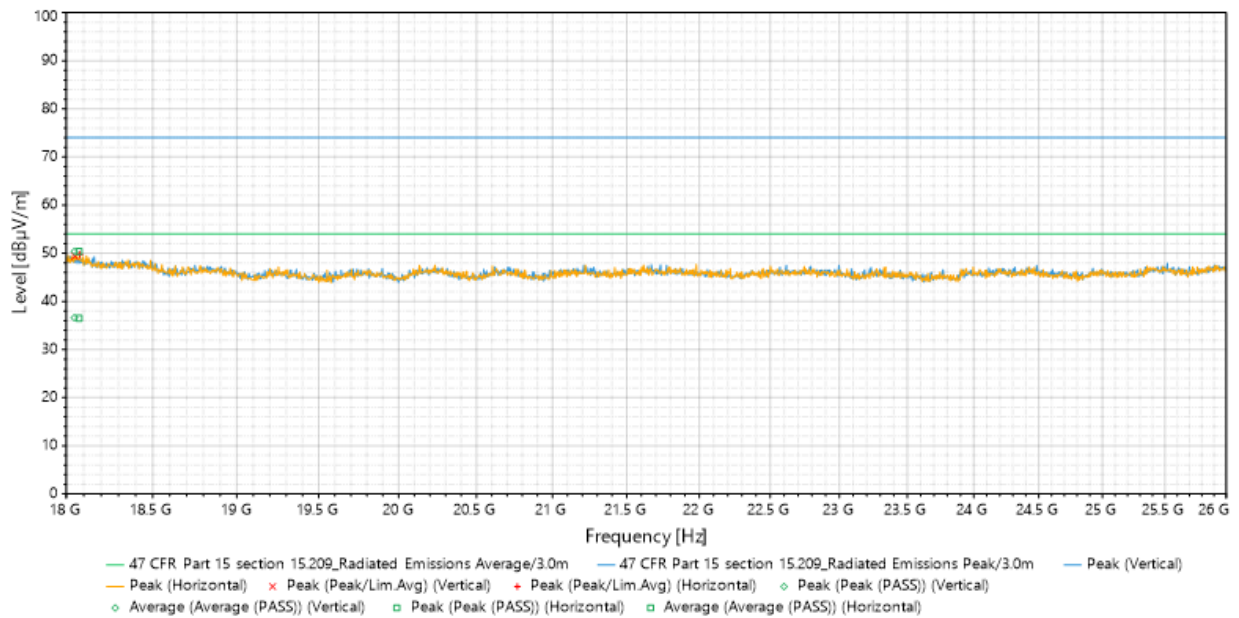


Figure 19. Radiated Spurious Emissions, BLE 1 Mbps Mid Channel 2440 MHz (18 – 26 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
18038.5	Peak (PASS)	50.641	74	-23.359	2.272	27	Vertical	1000000	0.1	-0.419
18038.5	Average (PASS)	36.635	54	-17.365	2.272	27	Vertical	1000000	0.1	-0.419
18066.1	Peak (PASS)	49.939	74	-24.061	2.144	19	Horizontal	1000000	0.1	-0.368
18066.1	Average (PASS)	36.542	54	-17.458	2.144	19	Horizontal	1000000	0.1	-0.368

Table 15. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (18 – 26 GHz) Test Results

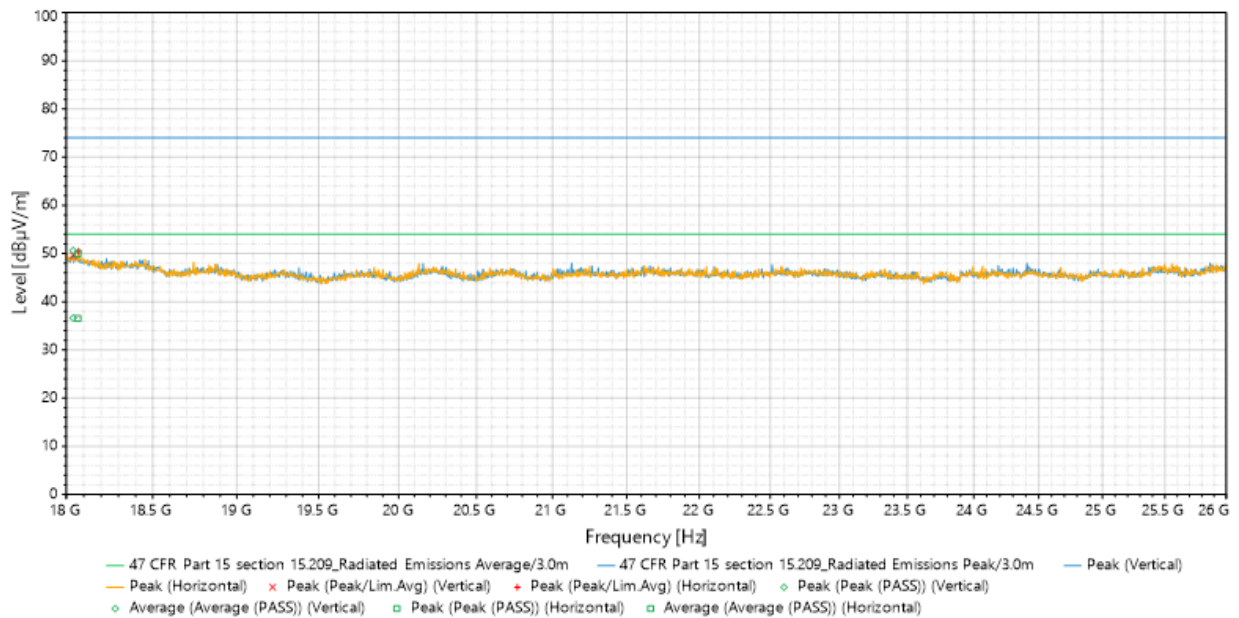


Figure 20. Radiated Spurious Emissions, BLE 2 Mbps Mid Channel 2440 MHz (18 – 26 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
35.542	QuasiPeak (PASS)	15.679	40	-24.321	3.424	-12	Horizontal	120000	0.1	-6.653
59.73	QuasiPeak (PASS)	15.755	40	-24.245	2.56	103	Vertical	120000	0.1	-14.149

Table 16. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (30 MHz – 1 GHz) Test Results

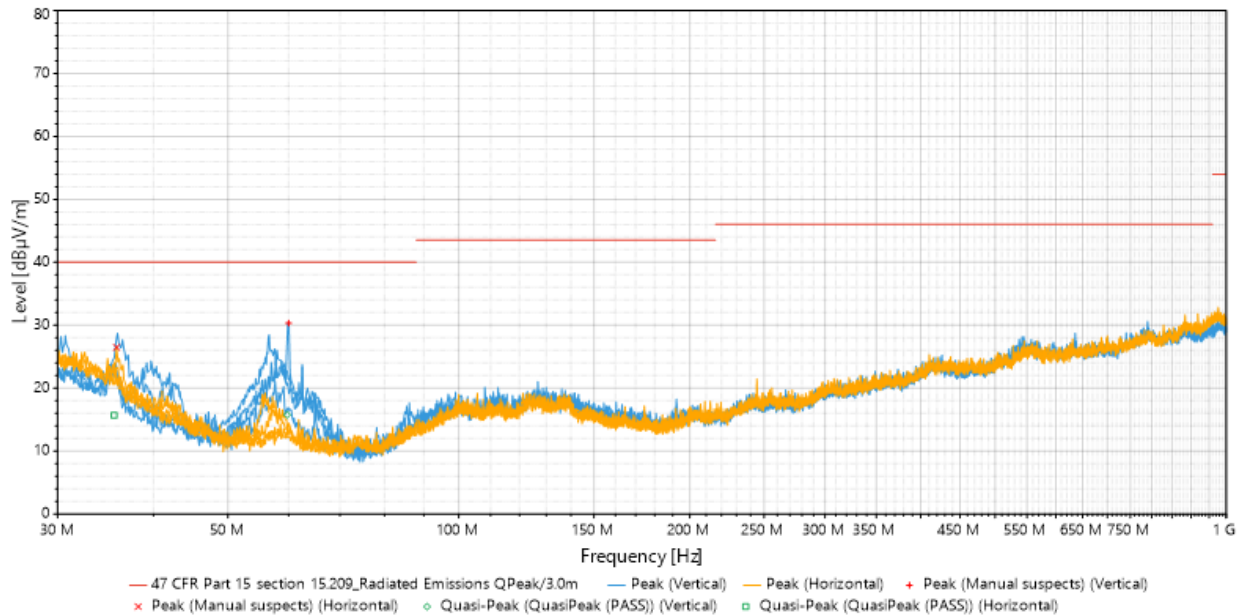


Figure 21. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (30 MHz – 1 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
30.81	QuasiPeak (PASS)	18.616	40	-21.384	2.016	182	Vertical	120000	0.1	-5.482
35.932	QuasiPeak (PASS)	18.777	40	-21.223	1.92	-7	Horizontal	120000	0.1	-6.988

Table 17. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz (30 MHz – 1 GHz) Test Results

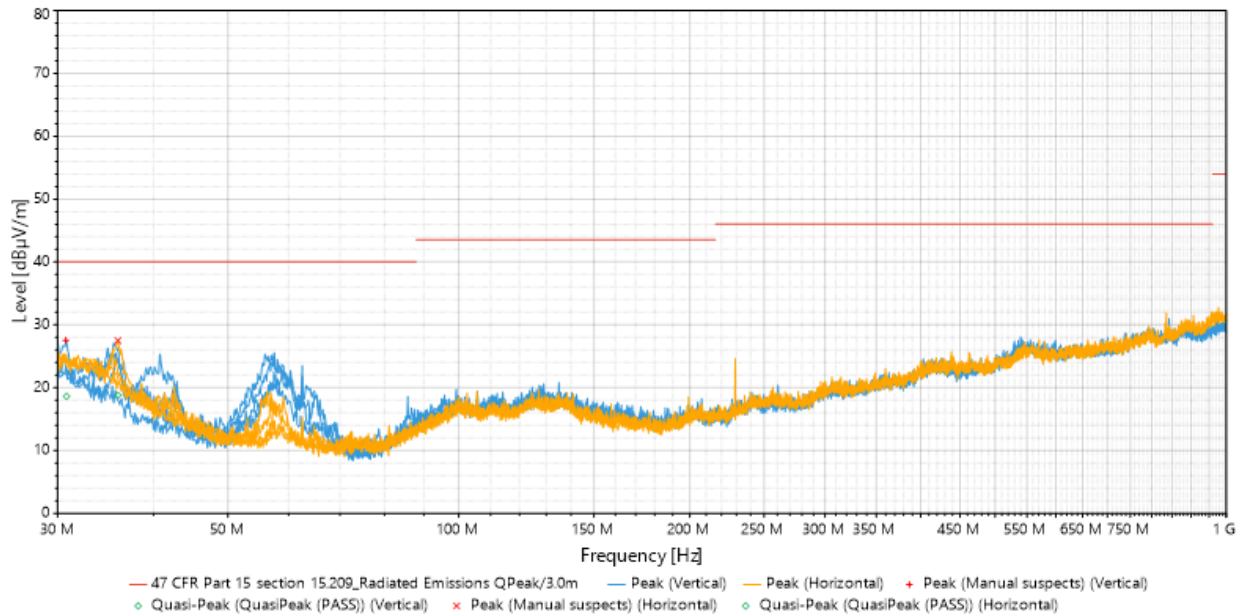


Figure 22. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz (30 MHz – 1 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
9921	Peak (PASS)	53.735	74	-20.265	2.208	238	Vertical	1000000	0.1	3.902
9921	Average (PASS)	42.305	54	-11.695	2.208	238	Vertical	1000000	0.1	3.902
17351.1	Peak (PASS)	55.459	74	-18.541	1.152	15	Horizontal	1000000	0.1	4.686
17351.1	Average (PASS)	41.737	54	-12.263	1.152	15	Horizontal	1000000	0.1	4.686

Table 18. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (1 – 18 GHz) Test Results

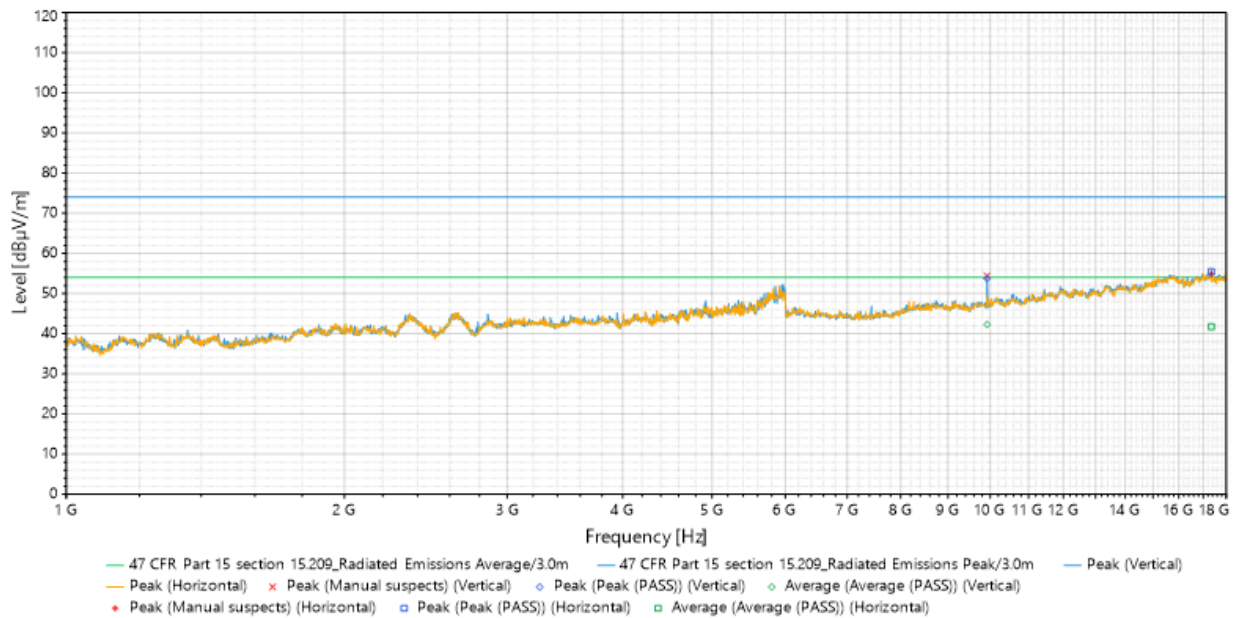


Figure 23. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (1 – 18 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
9922	Peak (PASS)	53.82	74	-20.18	2.336	235	Vertical	1000000	0.1	3.903
9922	Average (PASS)	39.654	54	-14.346	2.336	235	Vertical	1000000	0.1	3.903
17772.2	Peak (PASS)	55.177	74	-18.823	2.432	-11	Horizontal	1000000	0.1	4.065
17772.2	Average (PASS)	41.409	54	-12.591	2.432	-11	Horizontal	1000000	0.1	4.065

Table 19. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz (1 – 18 GHz) Test Results

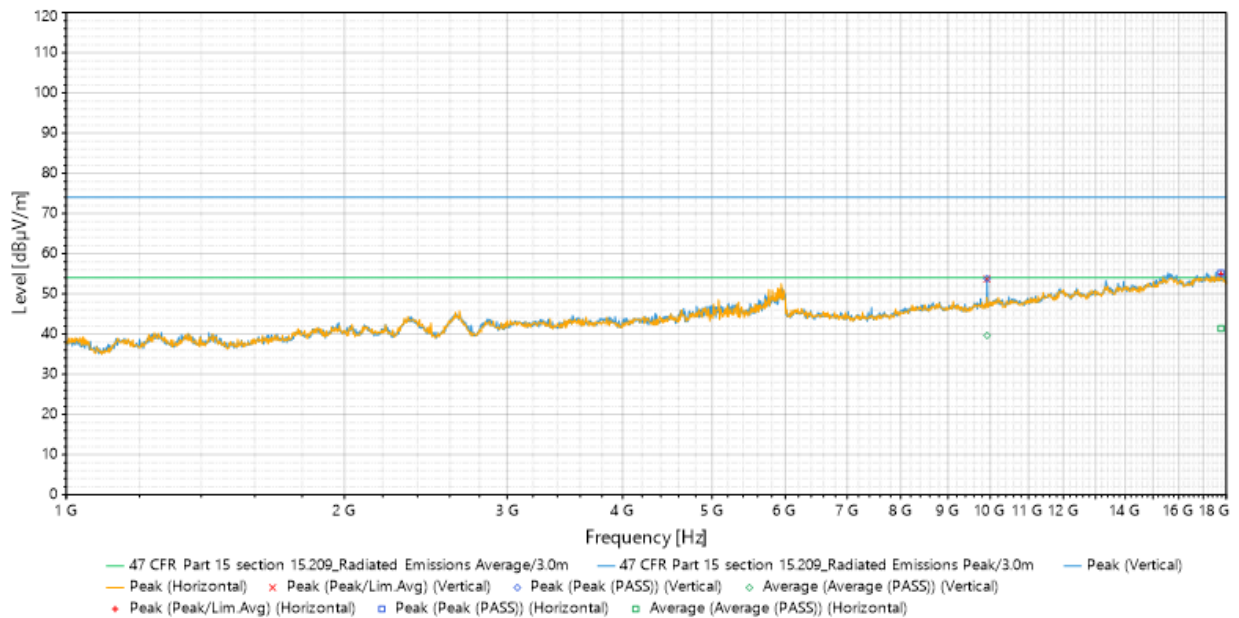


Figure 24. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz (1 – 18 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
2483.611	Peak (PASS)	67.163	74	-6.837	1.088	319	Horizontal	1000000	0.1	36.206
2483.611	Average (PASS)	46.232	54	-7.768	1.088	319	Horizontal	1000000	0.1	36.206
2483.7723	Peak (PASS)	66.996	74	-7.004	1.088	317	Horizontal	1000000	0.1	36.207
2483.7723	Average (PASS)	46.374	54	-7.626	1.088	317	Horizontal	1000000	0.1	36.207
2483.883	Peak (PASS)	61.594	74	-12.406	1.184	217	Vertical	1000000	0.1	36.402
2483.883	Average (PASS)	44.063	54	-9.937	1.184	217	Vertical	1000000	0.1	36.402
2484.1895	Peak (PASS)	60.388	74	-13.612	2.56	218	Vertical	1000000	0.1	36.403
2484.1895	Average (PASS)	43.804	54	-10.196	2.56	218	Vertical	1000000	0.1	36.403

Table 20. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz Upper Band Edge Test Results

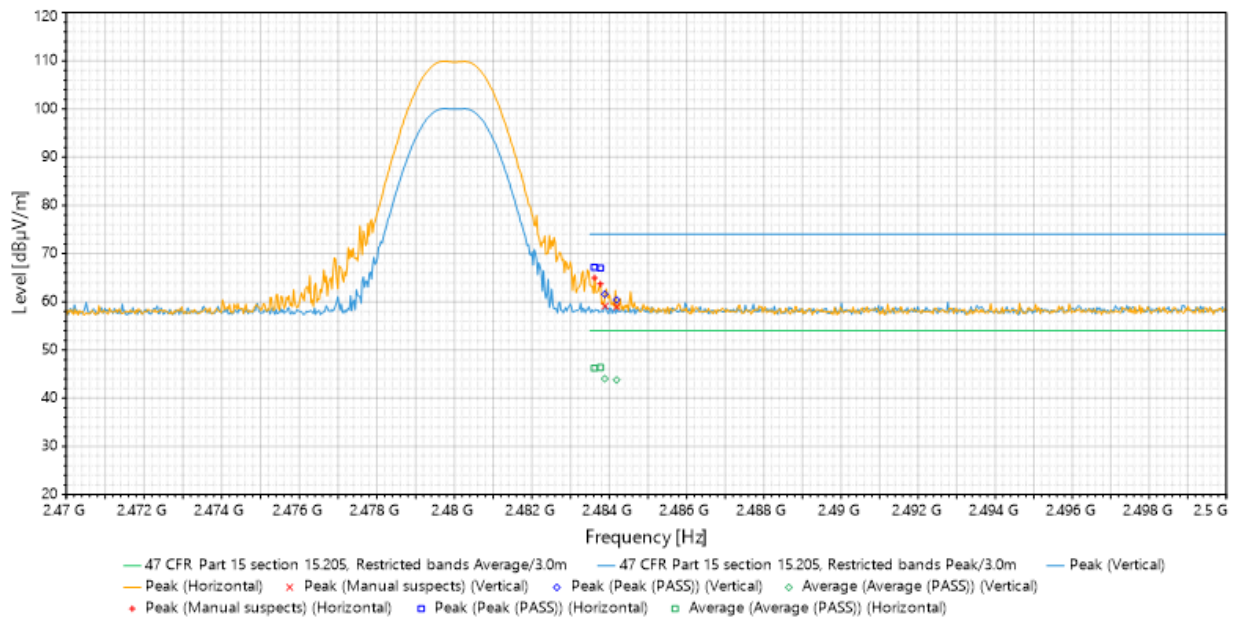


Figure 25. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz Upper Band Edge Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
2483.5953	Peak (PASS)	67.811	74	-6.189	1.248	321	Horizontal	1000000	0.1	36.206
2483.5953	Average (PASS)	48.734	54	-5.266	1.248	321	Horizontal	1000000	0.1	36.206
2483.7328	Peak (PASS)	67.112	74	-6.888	1.568	323	Horizontal	1000000	0.1	36.207
2483.7328	Average (PASS)	48.128	54	-5.872	1.568	323	Horizontal	1000000	0.1	36.207
2483.8618	Peak (PASS)	60.985	74	-13.015	2.176	176	Vertical	1000000	0.1	36.401
2483.8618	Average (PASS)	43.524	54	-10.476	2.176	176	Vertical	1000000	0.1	36.401
2484.0338	Peak (PASS)	66.232	74	-7.768	1.568	321	Horizontal	1000000	0.1	36.209
2484.0338	Average (PASS)	47.513	54	-6.487	1.568	321	Horizontal	1000000	0.1	36.209
2484.26	Peak (PASS)	60.547	74	-13.453	3.968	143	Vertical	1000000	0.1	36.404
2484.26	Average (PASS)	43.668	54	-10.332	3.968	143	Vertical	1000000	0.1	36.404
2484.6188	Peak (PASS)	60.638	74	-13.362	3.392	272	Vertical	1000000	0.1	36.406
2484.6188	Average (PASS)	43.744	54	-10.256	3.392	272	Vertical	1000000	0.1	36.406

Table 21. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz Upper Band Edge Test Results

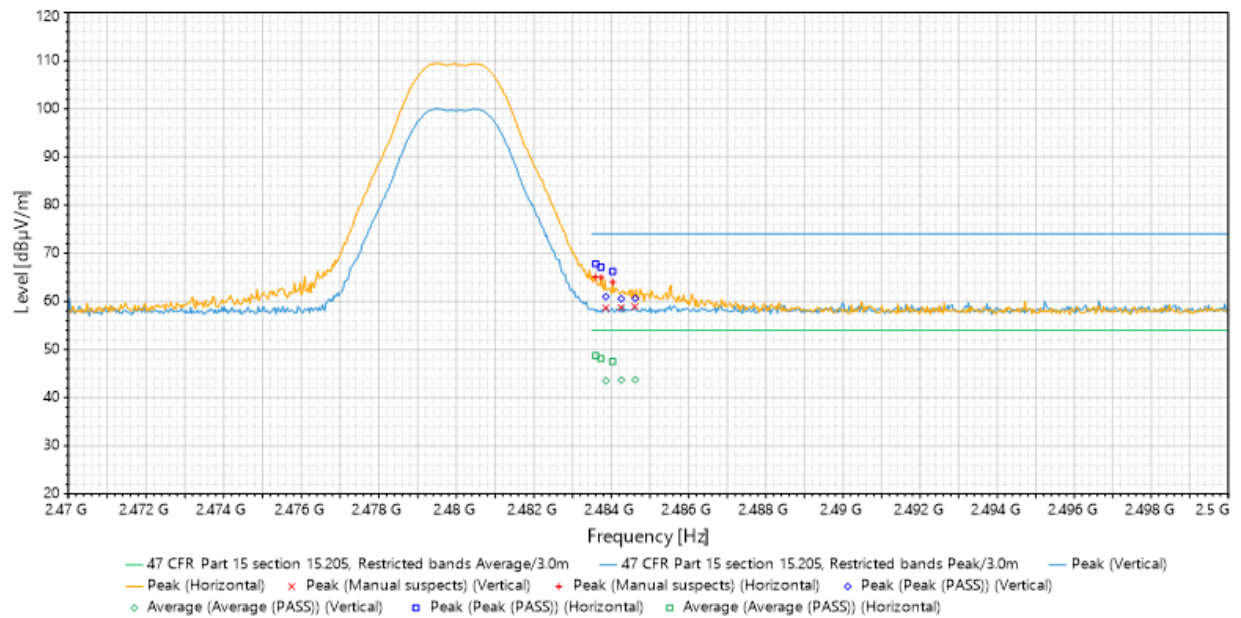


Figure 26. Radiated Spurious Emissions, BLE 2 Mbps High Channel 2480 MHz Upper Band Edge Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
18001.4	Peak (PASS)	50.731	74	-23.269	2.816	139	Vertical	1000000	0.1	-0.326
18001.4	Average (PASS)	36.925	54	-17.075	2.816	139	Vertical	1000000	0.1	-0.326
18041.2	Peak (PASS)	50.466	74	-23.534	3.744	11	Horizontal	1000000	0.1	-0.313
18041.2	Average (PASS)	36.734	54	-17.266	3.744	11	Horizontal	1000000	0.1	-0.313

Table 22. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (18 – 26 GHz) Test Results

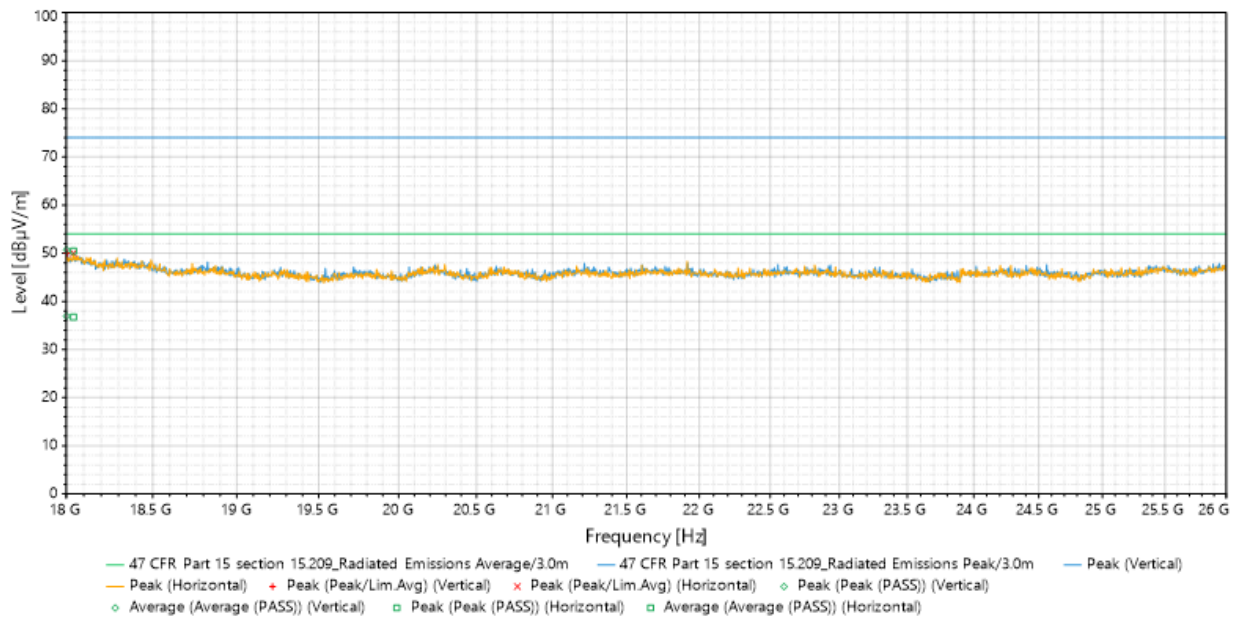


Figure 27. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (18 – 26 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
18019.1	Peak (PASS)	50.4	74	-23.6	3.072	27	Vertical	1000000	0.1	-0.371
18019.1	Average (PASS)	36.623	54	-17.377	3.072	27	Vertical	1000000	0.1	-0.371
18332.5	Peak (PASS)	49.812	74	-24.188	2.88	292	Horizontal	1000000	0.1	-1.302
18332.5	Average (PASS)	36.053	54	-17.947	2.88	292	Horizontal	1000000	0.1	-1.302

Table 23. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (18 – 26 GHz) Test Results

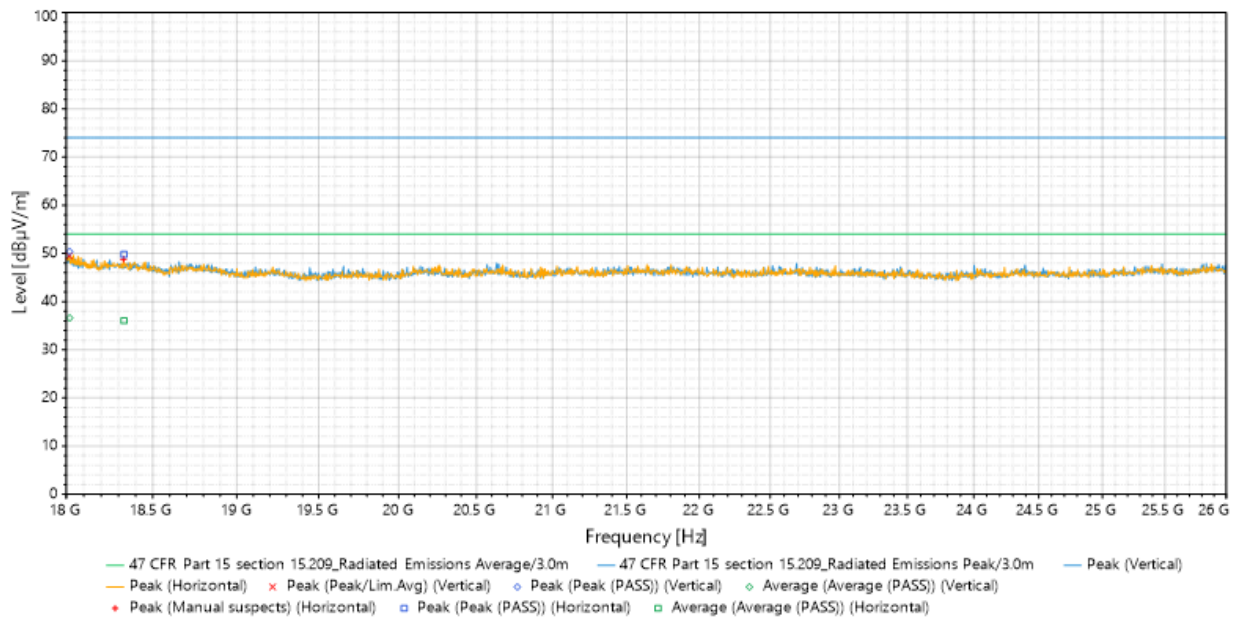


Figure 28. Radiated Spurious Emissions, BLE 1 Mbps High Channel 2480 MHz (18 – 26 GHz) Plot

Calibrated test equipment utilized during testing was maintained in a current state of calibration per the requirements of ISO/IEC 17025:2017.

Test Name: FCC 15.247 Antenna-Port Conducted Output Power Measurements			Test Date(s): 01/15/2026		
Asset #	Equipment	Manufacturer	Model	Last Cal Date	Cal Due Date
1S3812	Signal Analyzer	Rohde & Schwarz	FSV	01/10/2025	01/10/2027
Note 1: Functionally tested equipment is verified using calibrated instrumentation at the time of testing.					
Note 2: Latest NSA and VSWR data available upon request.					

Table 24. Antenna-Port Conducted Measurements, Test Equipment

Test Name: FCC 15.247 Radiated Spurious Emissions			Test Date(s): 10/14/2025 – 10/15/2025		
Asset #	Equipment	Manufacturer	Model	Last Cal Date	Cal Due Date
1S2399	Turntable Controller	Sunol Sciences	SC99V	See Note 1	
1S4856	Antenna Positioning Tower	ETS-Lindgren	2171B	See Note 1	
1S2482	5 Meter Chamber	Panashield - ETS	5 Meter Semi-Anechoic Chamber	See Note 2	
1S4804	EMI Test Receiver	Rohde & Schwarz	ESW44	08/15/2025	08/15/2026
1S2600	Bilog Antenna	Teseq	CBL6112D	06/10/2025	06/10/2027
1S2435	Horn Antenna	ETS-Lindgren	3117	03/17/2025	03/17/2027
1U0327	DRG Horn Antenna	A.H. Systems, Inc.	SAS-574	11/28/2024	11/28/2026
1S2668	Pre-Amplifier	Sonoma Instruments	310 N	03/18/2025	03/18/2027
1S2755	Low Noise Amplifier	EMC Shop	PA18G-HB	12/03/2024	12/03/2026
1S3866	Table Top Amplifier	MITEQ	TTA1840-35-HG	12/03/2024	12/03/2026
Note 1: Functionally tested equipment is verified using calibrated instrumentation at the time of testing.					
Note 2: Latest NSA and VSWR data available upon request.					

Table 25. Radiated Spurious Emissions, Test Equipment

END OF REPORT